

Docket No.: 4614-0105P  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Torben HALKIER et al.

Application No.: 09/787,126

Confirmation No.: 6308

Filed: March 14, 2001

Art Unit: 1646

For: METHOD FOR DOWN-REGULATING  
OSTEOPROTEGERIN LIGAND ACTIVITY

Examiner: X. Xie

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

A copy of only those references listed below is attached:

**Other Documents**

TSUKII, Katsuyoshi et al., "Osteoclast Differentiation Factor Mediates an

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated: September 18, 2006

Respectfully submitted,

Electronic signature: /Leonard R. Svensson/  
Leonard R. Svensson  
Registration No.: 30,330  
BIRCH, STEWART, KOLASCH & BIRCH, LLP  
650 Town Center Drive  
Suite 620  
Costa Mesa, California 92626-7127  
(714) 708-8555  
Attorney for Applicant

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|--|---|----|---|--------------------------|------------------------|
| Substitute for form 1449A/B/PTO                          |   |    |   | <b>Complete if Known</b> |                        |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   |    |   | Application Number       | 09/787,126-Conf. #6308 |
| <i>(Use as many sheets as necessary)</i>                 |   |    |   | Filing Date              | March 14, 2001         |
|  |   |    |   | First Named Inventor     | Torben HALKIER         |
|  |   |    |   | Art Unit                 | 1646                   |
|  |   |    |   | Examiner Name            | X. Xie                 |
| Sheet  | 1 | of | 1 | Attorney Docket Number   | 4614-0105P             |

| <b>U.S. PATENT DOCUMENTS</b> |                       |   |                                |  |   |
|------------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*           | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or Relevant<br>Figures Appear |
| AA*                          |                       | US-6,740,522-B2   | 05-25-2004                     | Anderson   |   |

| <b>FOREIGN PATENT DOCUMENTS</b> |                       |  |                                |  |   |
|---------------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*              | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or Relevant<br>Figures Appear |
|                                 |                       |  |                                |  | T <sup>6</sup>  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| <b>NON PATENT LITERATURE DOCUMENTS</b> |                       |   |  |  |  |
|--|-----------------------|---|--|--|--|
| Examiner Initials                      | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  |
|  | CA                    | TSUKII, Katsuyoshi et al., "Osteoclast Differentiation Factor Mediates an Essential Signal...of Bone," Biochemical and Biophysical Research Communications, 1998, Pgs. 337-341, Vol. 246, Article No. RC988610.   |  |  |  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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| Examiner Signature | Date Considered |
|--------------------|-----------------|